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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/822,958	03/30/2001	Kenneth W. Aull	15-0226	6594

7590 08/24/2004
Robert W. Keller
TRW Inc.
Law Dept.
One Space Park, Bldg. E2/6051
Redondo Beach, CA 90278

EXAMINER

TRAN, ELLEN C

ART UNIT	PAPER NUMBER
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2134

DATE MAILED: 08/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/822,958

Applicant(s)

AULL, KENNETH W.

Examiner

Ellen C Tran

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

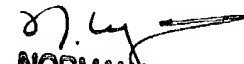
Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


NORMAN M. WRIGHT
PRIMARY EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 30 March 2001.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This action is responsive to communication: original application filed 30 March 2001, with acknowledgement of continuing data claiming earlier filing date of 9 June 2000.
2. Claims 1-19 are currently pending in this application. Claims 1, 8, and 15 are independent claims.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language

4. **Claims 1-19** are rejected under 35 U.S.C. 102(e) as being anticipated by Wood et al. U.S. Patent No. 6,668,322 (hereinafter '322).

As to independent claim 1, **"A method of creating a single sign-on"** is taught in '322 col. 2, lines 26-30;

"role certificate using a PKI system, comprising:" is shown in '322 col. 4, lines 19-27;

"accessing a PKI system by a user in which a digital signature certificate has been previously created for the user and transmitting the digital signature certificate to the PKI system" is disclosed in '322 col. 14, lines 21 through col. 15, line 8 (i.e. "the gatekeeper/entry handler extracts credentials, authentication component assigns entity identity, then gatekeeper

supplies signed session credentials” same as “PKI system receiving digital signature and transmitting the digital signature”);

“verifying the identity and validity of the user through the PKI system by accessing a directory using the digital signature certificate” is taught in ‘3222 col. 13, line 60 through col. 14, line 20;

“generating a private/public key pair and transmitting the public key to the PKI system; transmitting the public key to a domain certificate authority for signature; and returning the public key to the user signed by the domain certificate authority” is shown in ‘322 col. 7, lines 1-30.

As to dependent claim 2, **“further comprising: authenticating the user identity; and verifying the user has authority to receive the public key”** is disclosed in ‘322 col. 14, lines 21-64.

As to dependent claim 3, **“further comprising: delivering a password to the user through the mail to the user's home address; accessing the PKI system by the user using the password; and receiving the digital signature certificate”** is shown in 322 col. 14, lines 21-64.

As to dependent claim 4, **“wherein the digital signature may be used for both signatures and encryption”** is disclosed in ‘322 col. 7, line 64 through col. 8, line 8.

As to dependent claim 5, **“wherein the verifying the identity and validity of the user by PKI system by accessing a directory using the digital signature certificate further comprises; verifying that the digital signature certificate has not been revoked; and**

verifying that the user is still a member of the organization” is taught in ‘322 col. 11, lines 35 through col. 12, line 9.

As to dependent 6, **“further comprising: storing the public key signed by the domain certificate authority in a hardware token, smart card, a computer, a magnetic strip card, or other storage device”** is shown in ‘322 col. 2, lines 25-55.

As to dependent claim 7, **“further comprising: accessing a foreign computer network not associated with the PKI system using the public key signed by the domain certificate authority”** is disclosed in col. 13, line 60 through col. 14, line 20.

As to independent claim 8, this claim is directed to a computer readable medium of the method of claim 1 and is rejected along the same rationale.

As to dependent claims 9-14, these claims are substantially similar to claims 2-7 and are therefore rejected along the same rationale.

As to independent claim 15, **“A method of creating a single sign-on”** is taught in ‘322 col. 2, line 26-30;

“role certificate using a PKI system, comprising:” is shown in ‘322 col. 4, lines 19-27;

“creating a digital signature certificate verifying the identity of a user and authority of the user to obtain the digital signature certificate; delivering a password to the user through the mail to the user’s home address” is disclosed in col. 14, lines 21-64;

“accessing a PKI system by the user using the password” is taught in ‘322 col. 2, lines 36-50;

“receiving the digital signature certificate from the PKI system; accessing a PKI system by a user using the digital signature certificate; verifying the validity of the user by

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PKI system accessing a directory using the digital signature certificate” is shown in col. 13, line 60 through col. 14, line 20;

“generating private/public key pair and transmitting the public key to the PKI system; transmitting the public key to a domain certificate authority for signature; and returning the public key to the user signed by the domain certificate authority” is disclosed in ‘322 col. 7, lines 1-30.

As to dependent claims 16-19, these claims are substantially similar to claims 4-7 and are therefore rejected along the same rationale.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Doyle et al. U.S. Patent No. 6,438,550 issued 08/20/2002

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen C Tran whose telephone number is (703) 305-8917. **"After mid-Oct, 2004, the examiner can be reach at (571) 272-3842"**. The examiner can normally be reached on 6:30 am to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory A Morse can be reached on (703) 308-4789. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ellen Tran
Patent Examiner
Technology Center 2134
20 August 2004


NORMAN M. WRIGHT
PRIMARY EXAMINER